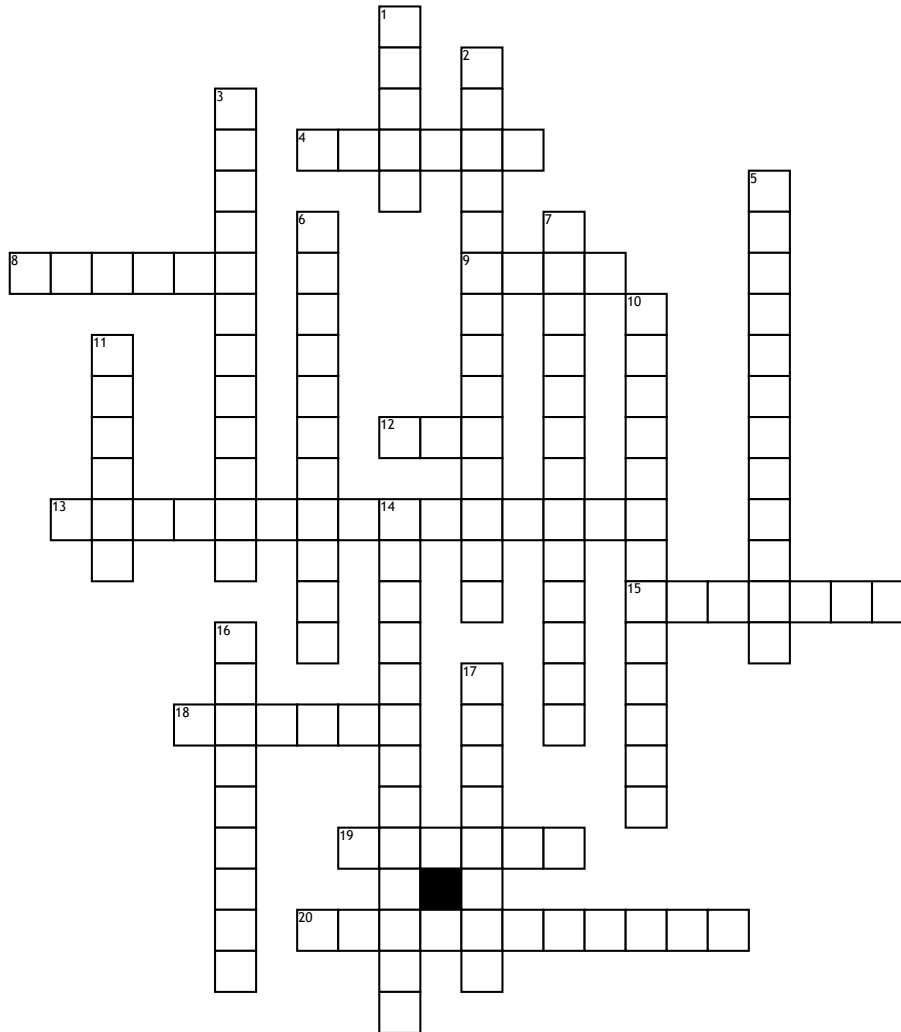


Convection Currents



Across

4. The outermost layer of the sun, only visible during eclipses

8. Hydrogen fuses into ----- during proton-proton chain in the Sun.

9. It is the layer of Sun where the energy is produced

12. The star of the solar system

13. It keeps the rate of fusion steady when the fusion rate changes

15. They are regions of reduced surface temperature caused by concentrations of magnetic field flux that inhibit convection.

18. A celestial body moving in an elliptical orbit around a star

19. The balance between fusion energy and radiative energy in the Sun

20. The giant loops where the gas trapped that erupt high above the Sun's surface

Down

1. An intense burst of radiation in the vicinity of sunspots

2. It is the layer of Sun where energy transported upward by rising hot gas generated in the core and falling cool gas

3. Middle layer of solar atmosphere

5. When the moon passes between Sun and Earth

6. Lowest layer of solar atmosphere. Visible surface of the Sun

7. The equilibrium that pressure balances gravity in the Sun

10. the region surrounding the earth or another astronomical body in which its magnetic field is the predominant effective magnetic field.

11. The reaction that occurs in the core of Sun

14. It is the layer of Sun where energy transported upward by photons

16. A flow of charged particles from the surface of the Sun

17. a small rocky body orbiting the sun.

Word Bank

SOLARTHERMOSTAT

MAGNETOSPHERE

SUNSPOT

ASTEROID

PLANET

FLARE

CONVECTIONZONE

FUSION

PROMINENCES

PHOTOSPHERE

CORONA

RADIATIONZONE

SUN

CHROMOSPHERE

SOLARECLIPSE

CORE

HELIUM

ENERGY

GRAVITATIONAL

SOLARWIND